

Work Order ID 68257

Monday, April 11, 2011 10:33:00 AM



Page 1

| | | | | | | |
|----------------|--------------|------------|-------|-------|-------|--|
| Item ID: | D3394-041 | Accept | | Setup | Start | |
| Revision ID: | | | | | | |
| Item Name: | Lug Assembly | | | | Stop | |
| Start Date: | 4/11/2011 | Start Qty: | 40.00 | | | |
| Required Date: | 4/14/2011 | Req'd Qty: | 40.00 | | | |
| Reference: | | | | | | |
| | | | | | | |

| | | | | | | | | | | | |
|------------|---------------|--|-------|---------|------------|--|-------|--|-----|-------|--|
| Approvals: | Process Plan: | | Date: | 4/10/11 | Tooling: | | Date: | | Run | Start | |
| | QC: | | Date: | | SPC (Y/N): | | Date: | | | Stop | |

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| Draw Nbr | Revision Nbr | | | | | | | | |
| D3394 DEO | Rev B | | | | | | | | |

| | | | | | | | | | |
|-----|---------------------------|-------------------------------|------|--|--|--|--|--|--|
| 100 | | BAND SAW | 0.00 | | | | | | |
| | Bandsaw | Memo | 0.00 | | | | | | |
| | Jegspa Bandsaw | Cut Blank to .850" | | | | | | | |

cut @ meter

CL 11/04/11

| | | | | | | | | | |
|-----|------------------------------|-------------------|------|--|--|--|--|--|--|
| 110 | | | 0.00 | | | | | | |
| | HAAS 1 | <i>purchasing</i> | 0.00 | | | | | | |
| | HAAS CNC vertical machine #1 | Memo | | | | | | | |

Memo
MACHINE AS PER FOLIO AND DWG
FOLIO REV: _____
DWG REV: _____

P/O: 13849

~~DEBURR~~

issue P/O to meter

machines as per dwg D3394 REV.B

CL 11/04/12 (40)

| W/O: | | WORK ORDER CHANGES | | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|--|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
| | | | | | | | | |
| | | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
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NOTE: Date & initial all entries




Work Order ID 68257

Monday, April 11, 2011 10:33:00 AM

Page 2

| | | | | | | |
|----------------|--------------|------------|---|---------------|-------|---|
| Item ID: | D3394-041 | Accept |  | Setup | Start |  |
| Revision ID: | | | | | | |
| Item Name: | Lug Assembly | | | | Stop |  |
| Start Date: | 4/11/2011 | Start Qty: | 40.00 | Cust Item ID: | | |
| Required Date: | 4/14/2011 | Req'd Qty: | 40.00 | Customer: | | |
| Reference: | | | | | | |

| | | | | | | | |
|------------|---------------|-------|------------|-------|-----|-------|---|
| Approvals: | Process Plan: | Date: | Tooling: | Date: | Run | Start |  |
| | QC: | Date: | SPC (Y/N): | Date: | | Stop |  |

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|---|---|----------------------|---------|--------|--------------|---------------|---------------|------------------|------------------------------------|
| 120  QC Quality Control | QC2 - Inspect parts off machine FAI/FAIB Memo rec'd + inspect for transit damage attached cufc to w/o | 0.00 0.00 | | | | | | | <i>Rec'd 4/11/11</i> |
| 130  QC Quality Control | QC6 Inspect parts - second check Memo | 0.00 0.00 | | | | | | | <i>Count 410</i> |
| 140  HandFinish Hand Finishing | Chemical Conversion Coat per QSI005 4.1 Memo | 0.00 0.00 | | | | | | | <i>7 m-h 11/05/12</i> (40X) |

| W/O: | | WORK ORDER CHANGES | | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|--|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
| | | | | | | | | |
| | | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

Work Order ID 68257

Monday, April 11, 2011 10:33:00 AM

Page 3

Item ID: D3394-041

Accept

Revision ID:

Item Name: Lug Assembly

Start Date: 4/11/2011 Start Qty: 40.00

Required Date: 4/14/2011 Req'd Qty: 40.00

Reference:

Cust Item ID:

Customer:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start
Stop

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--|---|----------------------|---------|--------|--------------|-----------------|---------------|------------------|----------------|
| 150 Powdercoat Powder Coating | White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum Memo START TIME: 9:15 FINISH TIME: 9:45 | 0.00 0.00 | | | | 40X 11/05/09 | | | |
| 160 QC Quality Control | QC3- Inspect Part Finish Memo | 0.00 0.00 | | | | | | 409 | 11/05/07 |
| 170 Small Fab Small Fab Small Fab | Small Fab Memo Assemble as per Dwg D3394 | 0.00 0.00 | | | | | | | 254/05/06 (40) |

| W/O: | | WORK ORDER CHANGES | | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|--|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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| | | | | | | | | |

NOTE: Date & initial all entries

Work Order ID 68257

Monday, April 11, 2011 10:33:00 AM



Page 4

Item ID: D3394-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Lug Assembly

Start Date: 4/11/2011 Start Qty: 40.00



Cust Item ID:

Required Date: 4/14/2011 Req'd Qty: 40.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

180

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

11/5/9 11 05 06 40

190

Identify as per dwg & Stock Location: 475

0.00



Packaging

Memo

0.00

Packaging

11/5/9 11 05 06 40

200

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/5/9 11 05 06 40

MF
11-05-09

| W/O: | | WORK ORDER CHANGES | | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|--|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
| | | | | | | | | |
| | | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

NOTE: Date & initial all entries

Picklist Print

Monday, April 11, 2011 1:01:39 PM

Page 1

Work Order ID: 68257

Parent Item: D3394-041

Parent Item Name: Lug Assembly




Start Date: 4/11/2011

Required Date: 4/14/2011

Start Qty: 40.00

Required Qty: 40.00

Comments: IPP Rev: A New Issue 06-01-06 JLM IPP
REV:B NOW MADE IN HOUSE 10-03-02 JLM VERIFIED BY:EC

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|-----------------|---------------|----------------|--------|
| D2423  Lug Extrusion | | Manufactured | No | | | | f | 377.3100 | | 2.9474 | | | |
| | | | | <u>Location</u> | | | | <u>Loc Qty</u> | | <u>Loc Code</u> | | | |
| | | | | MAT006 | | | | 377.31 | | | | | |
| | | | | 43722 | | | | 161.5 | | | | | |
| | | | | 45800 | | | | 1 | | | | | |
| | | | | 63005 | | | | 214.81 | | | | | |
| D3394-1P  Lug | | Purchased | No | | | | Each | 0.0000 | | 40 | | | |
| MS35489-93  GROMMET | | Purchased | No | | | | Each | 352.0000 | | 80 | | | |
| | | | | <u>Location</u> | | | | <u>Loc Qty</u> | | <u>Loc Code</u> | | | |
| | | | | ST296 | | | | 352 | | | | | |
| | | | | 116235 | | | | 352 | | | | | |

CL 11/04/12

2.95

40

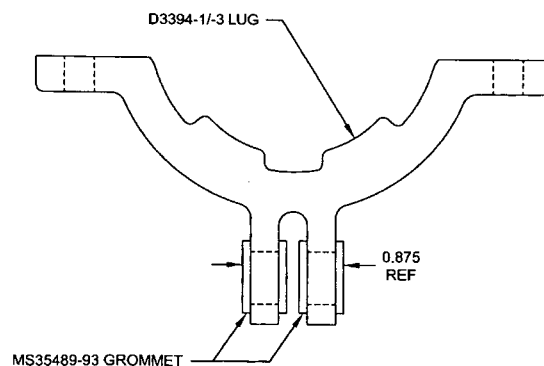
11/4/29 (40)

80

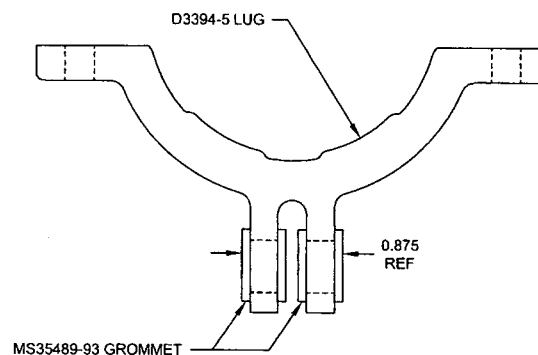
11/05/06

80

| QTY. -041 | QTY. -043 | QTY. -045 | PART NUMBER | DESCRIPTION |
|--------------|--------------|--------------|-------------|--------------|
| X | | | D3394-041 | LUG ASSEMBLY |
| | X | | D3394-043 | LUG ASSEMBLY |
| | | X | D3394-045 | LUG ASSEMBLY |
| 1 | | | D3394-1 | LUG |
| | 1 | | D3394-3 | LUG |
| | | 1 | D3394-5 | LUG |
| 2 | 2 | 2 | MS35489-93 | GROMMET |



D3394-041/-043 LUG ASSEMBLY



D3394-045 LUG ASSEMBLY

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.20 lbs APPROX

SHOP COPY
RETURNED
ENGINE
UNCONTROLLED
SUBJECT TO
WITHDRAWN
WORK ORDER
NO. 68257
PL 11-04-4

DEO ATTACHED

RELEASED
696/25 JDC

| | | | |
|------------|--|--|--------------|
| B | ADDED -045, SHT 4 ADDED FILLETS IN SECTION A-A. SEE PAR 152 | AJS | 09.04.02 |
| A | NEW ISSUE | PH | 05.02.14 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | PH | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | AJS | DRAWING NO. | REV. B |
| CHECKED | J | D3394 | SHEET 1 OF 4 |
| MFG. APPR. | <u>91</u> | TITLE | SCALE |
| APPROVED | <u>10</u> | LUG | NTS |
| DE APPR. | <u>11</u> | | |
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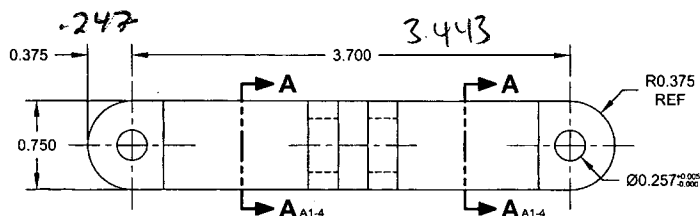
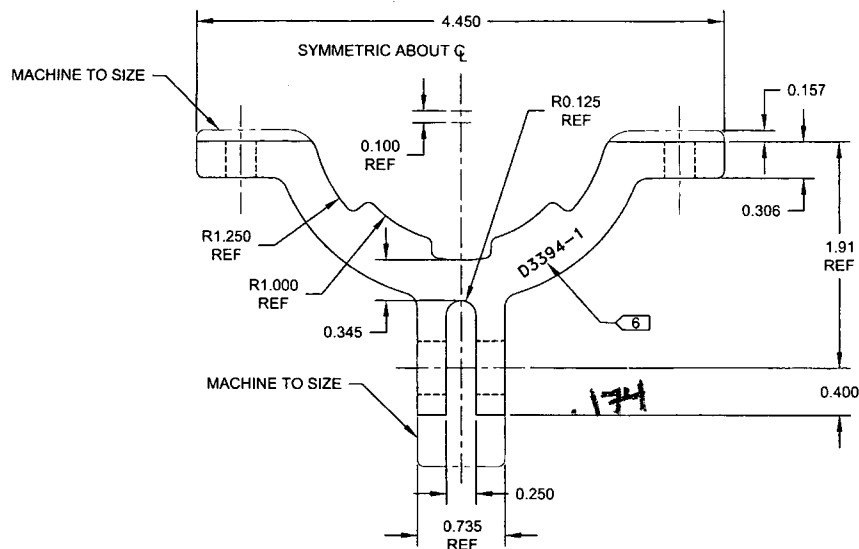
| W/O: | | WORK ORDER CHANGES | | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|--|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
| | | | | | | | | |
| | | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

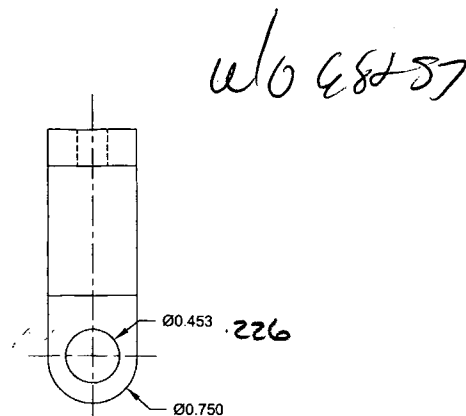
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

NOTE: Date & initial all entries



D3394-1 LUG



NOTES:

- 1) MATERIAL: MAKE FROM D2423
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: ENGRAVE PART NUMBER TO DEPTH OF 0.010±0.005 IN THIS LOCATION.
WITH TOOL A TIP RADIUS OF 0.015±0.005
- 7) WEIGHT: 0.18 lbs

DEO ATTACHED

RELEASED
09/06/25

| | | | |
|------------|----------|---|--------------|
| DESIGN | PH | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | AJS | | |
| CHECKED | | DRAWING NO. | REV. B |
| MFG. APPR. | | D3394 | SHEET 2 OF 4 |
| APPROVED | | TITLE | SCALE |
| DE APPR. | | LUG | NTS |
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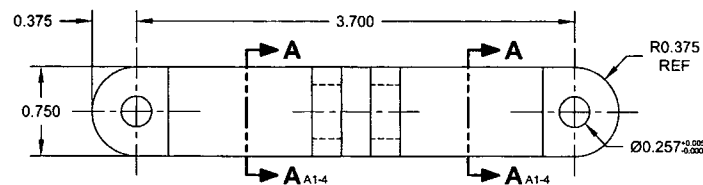
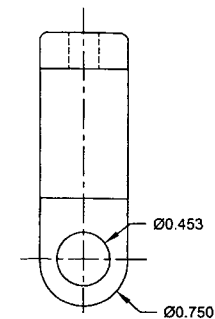
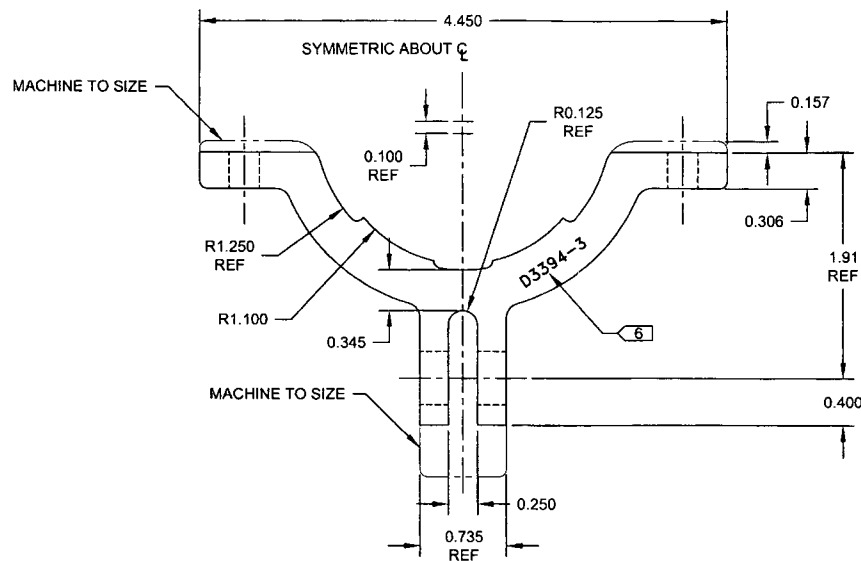
| W/O: | | WORK ORDER CHANGES | | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|--|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
| | | | | | | | | |
| | | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
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| | | | | | | | | |

NOTE: Date & initial all entries



D3394-3 LUG

NOTES:

- 1) MATERIAL: MAKE FROM D2423
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: ENGRAVE PART NUMBER TO DEPTH OF 0.010±0.005 IN THIS LOCATION,
WITH TOOL A TIP RADIUS OF 0.015±0.005
- 7) WEIGHT: 0.18 lbs

DEO ATTACHED

RELEASED
09/04/25

| | | | |
|------------|----------|--|--------------|
| DESIGN | PH | DART AEROSPACE LTD | |
| DRAWN | AJS | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | | DRAWING NO. | REV. B |
| MFG. APPR. | | D3394 | SHEET 3 OF 4 |
| APPROVED | | TITLE | SCALE |
| DE APPR. | | LUG | NTS |
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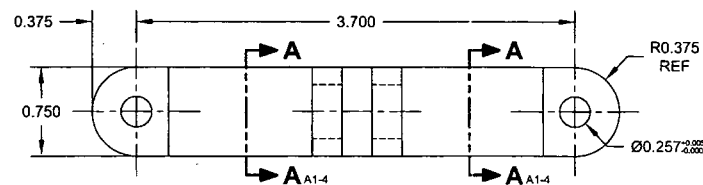
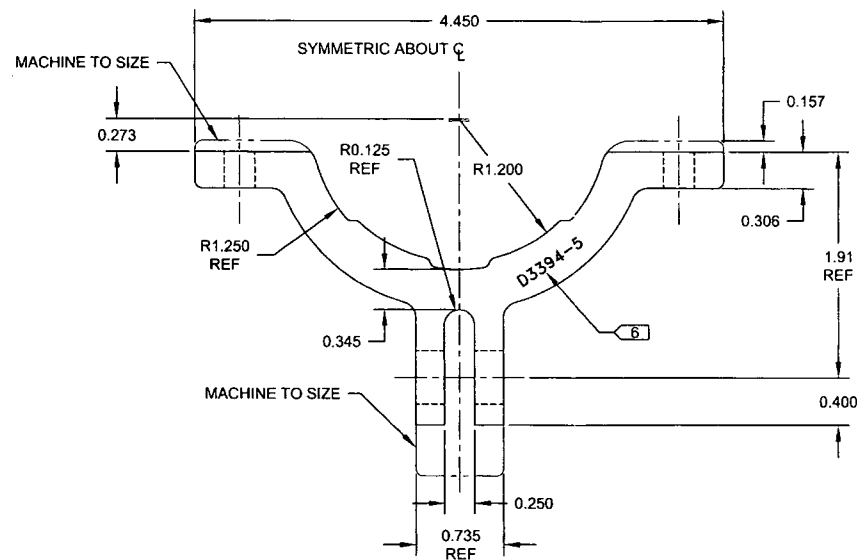
| W/O: | | WORK ORDER CHANGES | | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|--|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

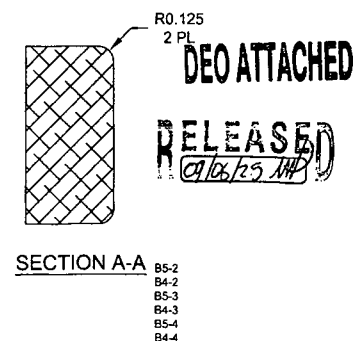
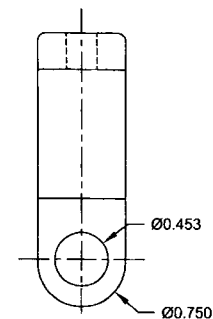
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
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| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
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| | | | | | | | | |

NOTE: Date & initial all entries



D3394-5 LUG



NOTES:

- 1) MATERIAL: MAKE FROM D2423
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: ENGRAVE PART NUMBER TO DEPTH OF 0.010±0.005 IN THIS LOCATION,
WITH TOOL A TIP RADIUS OF 0.015±0.005
- 7) WEIGHT: 0.18 lbs

| | | | |
|------------|----------|--|--------------|
| DESIGN | PH | DART AEROSPACE LTD | |
| DRAWN | AJS | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | | DRAWING NO. | REV. B |
| MFG. APPR. | | D3394 | SHEET 4 OF 4 |
| APPROVED | | TITLE | SCALE |
| DE APPR. | | LUG | NTS |
| DATE | 09.04.02 | COPYRIGHT © 2005 BY DART AEROSPACE LTD | |

| W/O: | | WORK ORDER CHANGES | | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|--|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

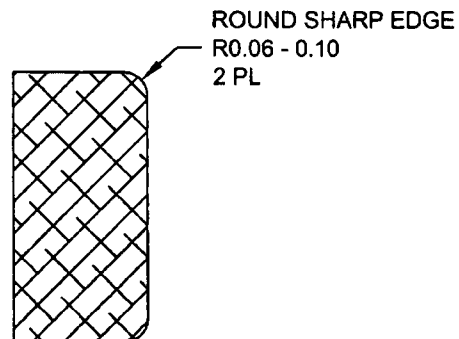
| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

| | | | | | | | |
|----------------------|------------------|------------------|---|--|-------------------------|---------------------------|--------------|
| DRAWING NO. D3394 | TITLE LUG | REV. B | DART AEROSPACE LTD ENGINEERING ORDER | | D.E.O. NO. D3394-B-1 | SHEET NO. SHEET 1 OF 1 | SCALE NTS |
| DRAWN AJS | CHECKED | MFG. APPR. | APPROVED | | DE APPR. | | |
| DATE 09.11.04 | DATE 09.11.04 | DATE 09.11.04 | DATE 09.11.04 | | DATE 09.11.04 | | |

SHEET 4 ZONE A,1 MODIFY SECTION A-A AS SHOWN:

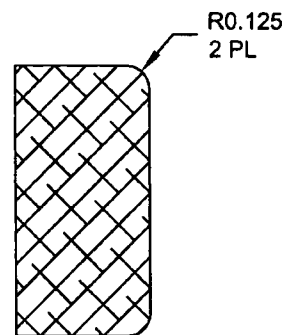
IS:



SECTION A-A

w/o 68287

WAS:



SECTION A-A

RELEASED
2009-11-25
w/d

REASON: DRAFTING ERROR

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NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD.

| W/O: | | WORK ORDER CHANGES | | | | | | |
|------|------|--------------------|--------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE | CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | | |
| | | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO13849

Purchase Order Date 4/12/2011

PO Print Date 4/12/2011

Page Number 1 of 1

Order From :

VC-MET003

METEC METAL TECHNOLOGY INC.
20 TERRY FOX DRIVE PO BOX 781
VANKLEEK HILL, QC K0B 1R0
CA

Contact Name

Vendor Phone 613 678 3957

Vendor Fax 613 678 3956

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

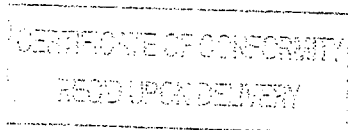
Destination-Collect

To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

EX-104112

| Line Nbr | Reference Revision ID Vendor Part Number | Description/ Mfg ID | Req Date/ Taxable | Req Qty/ Unit of Measure | Ship Method | Unit Price | Extended Price |
|----------|--|------------------------|---|-----------------------------|-------------|------------|-------------------|
| D3910-1P | | CROSSTUBE LUG | 4/25/2011 Yes | 16.00 Each | Dart Truck | \$31.5500 | \$504.80 |
| | | Special Inst: | MACHINE AS PER DWG D3910 REV. B B68263 | | | | |
| D3394-1P | | Lug | 4/25/2011 Yes | 40.00 Each | Dart Truck | \$18.9500 | \$758.00 |
| | | Special Inst: | MACHINE AS PER DWG D3394 REV. B B68257 | | | | |
| D2230-3P | | LUG | 4/25/2011 Yes | 160.00 Each | Dart Truck | \$13.6000 | \$2,176.00 |
| | | Special Inst: | MACHINE AS PER DWG D2230 REV. G B68246 | | | | |

PO Total: \$3,438.80



No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Page Nbr: 1

Change Date: 4/12/2011



20 Terry Fox Drive
Vankleek Hill, Ontario K0B 1R0
Tel: (613) 678-3957
Fax: (613) 678-3956

Delivery Slip No.: 17932

Date:

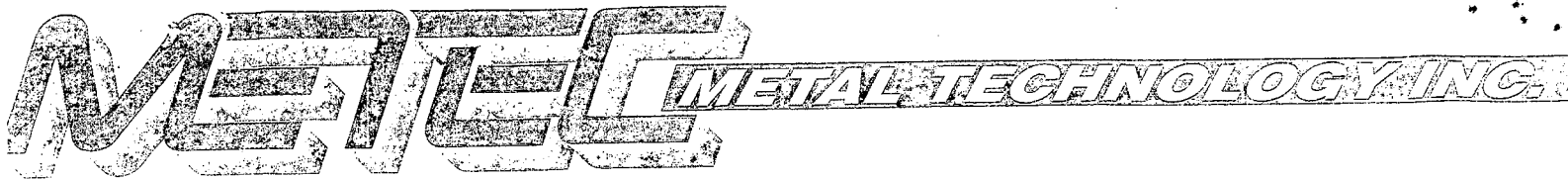
Apr 27, 2011

Page:

1

| | |
|---|--|
| Sold to: Dart Aerospace Ltd. Att. Linda Lacelle 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7 | Ship to: Dart Aerospace Ltd. Att. Linda Lacelle 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7 |
| Order No.: 13849 | Sold By: Walz, Christian D. |
| Shipped By: your truck | Ship Date: |

| Description | Unit | Ordered quantity | Shipped quantity | Backorder quantity |
|--|------|---------------------------|------------------|--------------------|
| D3910-1 Crosstube Lug Material supplied by DART: D2423 B63005 | Each | 16 | | |
| D3394-1 Lug Material supplied by DART: D2423 B63005 | Each | 40 | 40 | |
| D2230-3 Mounting Lug Material supplied by DART: D2423 B63005 | Each | 160 | | 160 |
| The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted. | | | | |
| Received by _____ | | Thank you for your order! | | |



CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

QUANTITY

PART NUMBER

PART NAME

P.O. NUMBER

40

D3394-1

Lug

Sublot

13849

MATERIAL: supplied by DART D2423 B63005

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

Shigi Walz
Shigi Walz

Vankleek Hill, April 27, 2011